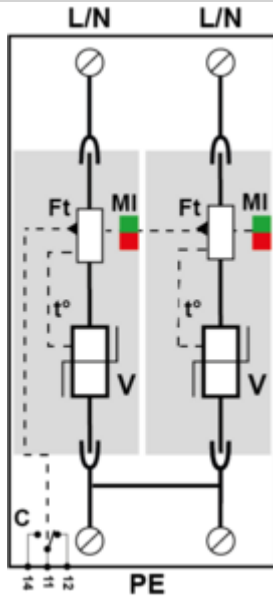
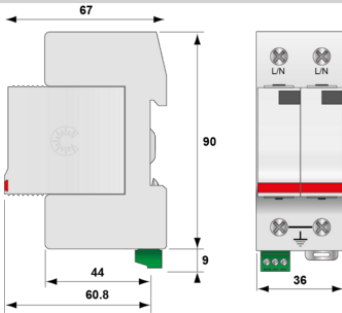


DS42S-120



- MOV Technology
- UL1449 Type 4CA
- 40kA Surge Current Rating
- Visual fault indicator and remote contacts
- 10-Year warranty



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

| | | |
|----------------------|------|-------------------------------|
| Protection mode(s) | | Common mode/Differential mode |
| POWER SPD TYPE | | UL1449 5th Ed. TYPE 4CA |
| VOLTS | (V) | 240/120 |
| AC/DC/DC PV/RF | | AC |
| PHASE | (PH) | 1S |
| AMPS | (A) | N/A |
| AMBIENT MIN | (C) | -35 |
| AMBIENT MAX | (C) | +60 |
| MODES | | L-L, L-G |
| MLV | (V) | 1960/-/1240/- |
| MCOV | (V) | 300/-/150/- |
| IN15 impulses 8/20μs | (kA) | 20 |
| SCCR | (kA) | n/a |
| IMAX8/20μs | (kA) | 40 |
| Iimp10/350μs | (kA) | 4 |

Option

| | | |
|--|---|----------|
| Remote status dry contact electrical ratingMax Voltage | V | 250.0000 |
| Remote status dry contact electrical ratingMax Current | A | 0.5000 |
| RFI Filter | | no |

Installation

| | | |
|--------------------------------|-----------------|---------------|
| Wiring type | | Screw |
| Solid wire cross sectionMin | mm ² | 2.5000 |
| Solid Wire cross sectionMax | mm ² | 35.0000 |
| Stranded Wire cross sectionMin | mm ² | 2.5000 |
| Stranded wire cross sectionMax | mm ² | 25.0000 |
| Wire gaugeMin | AWG | 13.0000 |
| Wire gaugeMax | AWG | 2.0000 |
| Torque | Nm | 2.0 - 2.5 |
| Torque | in-lbs | 17.8 - 22.1 |
| Strip Length | mm | 13.0000 |
| Strip Length | in | 0.5000 |
| Operating TemperatureMin | °C | -40.0000 |
| Operating TemperatureMax | °C | 85.0000 |
| Operating TemperatureMin | °F | -40.0000 |
| Operating TemperatureMax | °F | 85.0000 |
| Operating Relative HumidityMax | %RH | 95 |
| Operating AltitudeMin | Ft | 2000.0000 |
| Operating AltitudeMax | Ft | 6500.0000 |
| Housing/Enclosure material | | Thermoplastic |
| Flammability ratingUL 94 | | V0 |
| Mounting | | Din Rail |
| IP Environmental ratingIP | | IP20 |
| NEMA Environmental ratingNEMA | | NEMA 1 |
| Installation Location | | Indoor |
| Spare part | | Module |
| Product DimensionL | mm | 99.0000 |
| Product DimensionH | mm | 67.0000 |
| Product DimensionW | mm | 36.0000 |
| Product DimensionL | In | 3.8900 |
| Product DimensionH | In | 2.6400 |
| Product DimensionW | In | 1.4200 |

Miscellaneous

| | | |
|------------------------|----|----------|
| Individual Pack | | Yes |
| Storage TemperatureMin | °C | -40.0000 |
| Storage TemperatureMax | °C | 85.0000 |

DS42S-120

| | | |
|------------------------------|-----|--|
| Storage TemperatureMin | °F | -40.0000 |
| Storage TemperatureMax | °F | 85.0000 |
| Storage Relative HumidityMax | %RH | 95.0000 |
| Mechanical Characteristics | | |
| TECHNOLOGY | | MOV |
| NETWORK CONFIGURATION | | 1PH, 2W+G, Single Phase (or 2PH, 2W+G, Two Phase) |
| CONNECTION METHOD | | SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG |
| MOUNTING | | Wall mount |
| MATERIAL | | Thermoplastic UL94-V0 |
| NEMA RATING (IP RATING) | | NEMA 2 (IP20) |
| FAIL-SAFE BEHAVIOR | | Disconnection via fuse-link |
| REAL-TIME DIAGNOSTICS | | Visual indicator and remote contacts |
| DIMENSIONS | | See diagram |
| WEIGHT | | 0.60 lbs |
| SPARE PART | | DSM40-120 |
| Standards | | |
| Certification | | UL Recognized |
| UL STANDARD | | UL1449 5th Edition |
| UL CATEGORY | | VZCA2, VZCA8 |
| UL FILE NUMBER | | E326289 |
| STANDARDS | | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| ENVIRONMENTAL STANDARDS | | ROHS |
| Part number | | |
| 461621 | | |

